

### Abstract

There are provided two kinds of nuts of a ball thread nut **20** and a non-ball thread nut **30** which is rotatable in synchronization with the ball thread nut **20** and in which a thread groove in rectangular or trapezoidal shape in section is formed. In a thread rod **10**,  
5 two kinds of thread grooves are formed at the same pitch, one **11** of the thread grooves being in an arc shape in section so as to be meshed with the ball thread nut **20** through balls **B** and the other thread groove **12** being in a rectangular or trapezoidal shape in section so as to be meshed with the non-ball thread nut **30**. When load is less than a predetermined value, the thread ridge of the non-ball thread nut **20** and the thread ridge **13** of the thread  
10 rod **10** are separated and are out of contact with each other so that the thread rod **10** is moved in the axial direction thereof by only the ball thread nut **20**. In contrast, when the load exceeds the predetermined value, the thread ridge **31** of the non-ball thread nut **30** and the thread ridge **13** of the thread rod **10** are made in contact with each other so that the thread rod **10** is moved in the axial direction by the non-ball thread nut **30**.